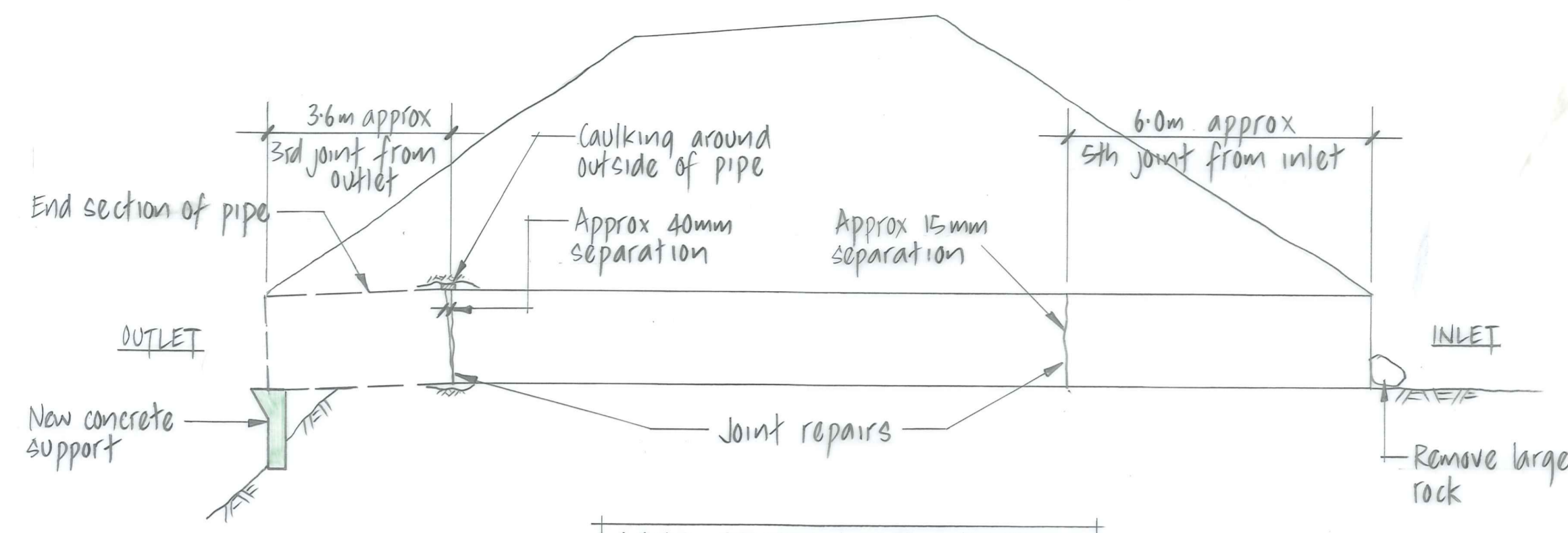
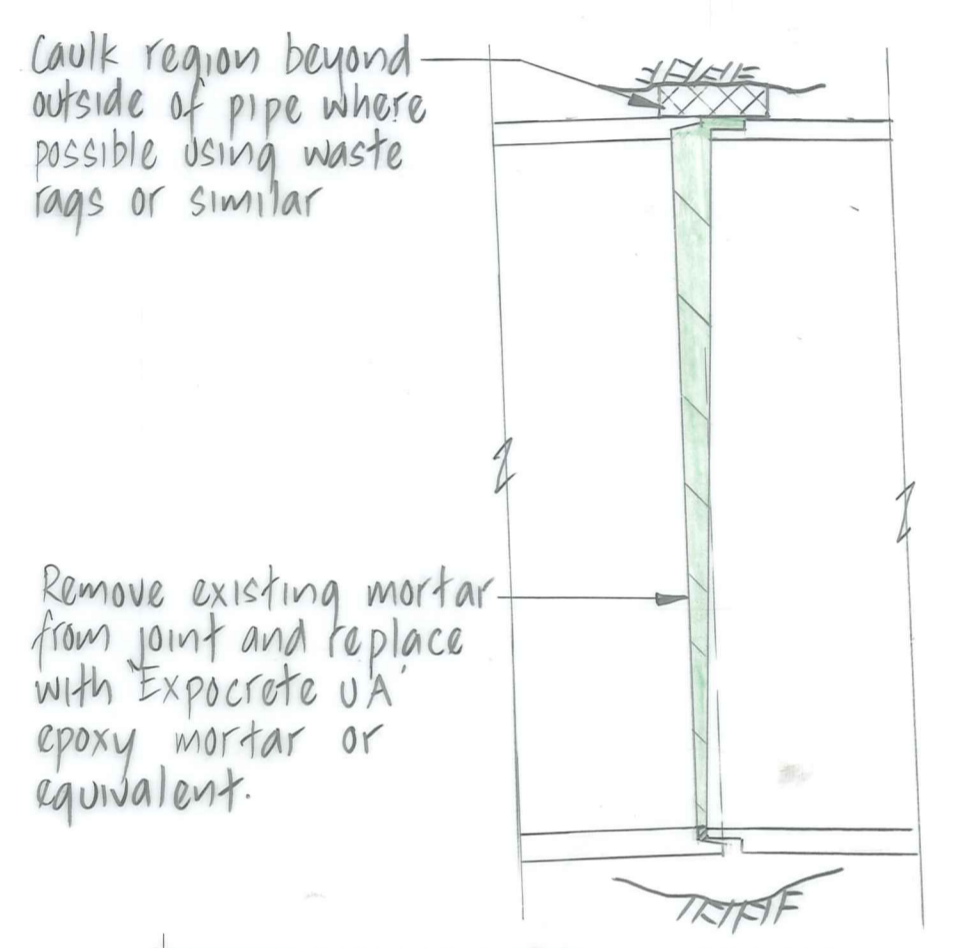


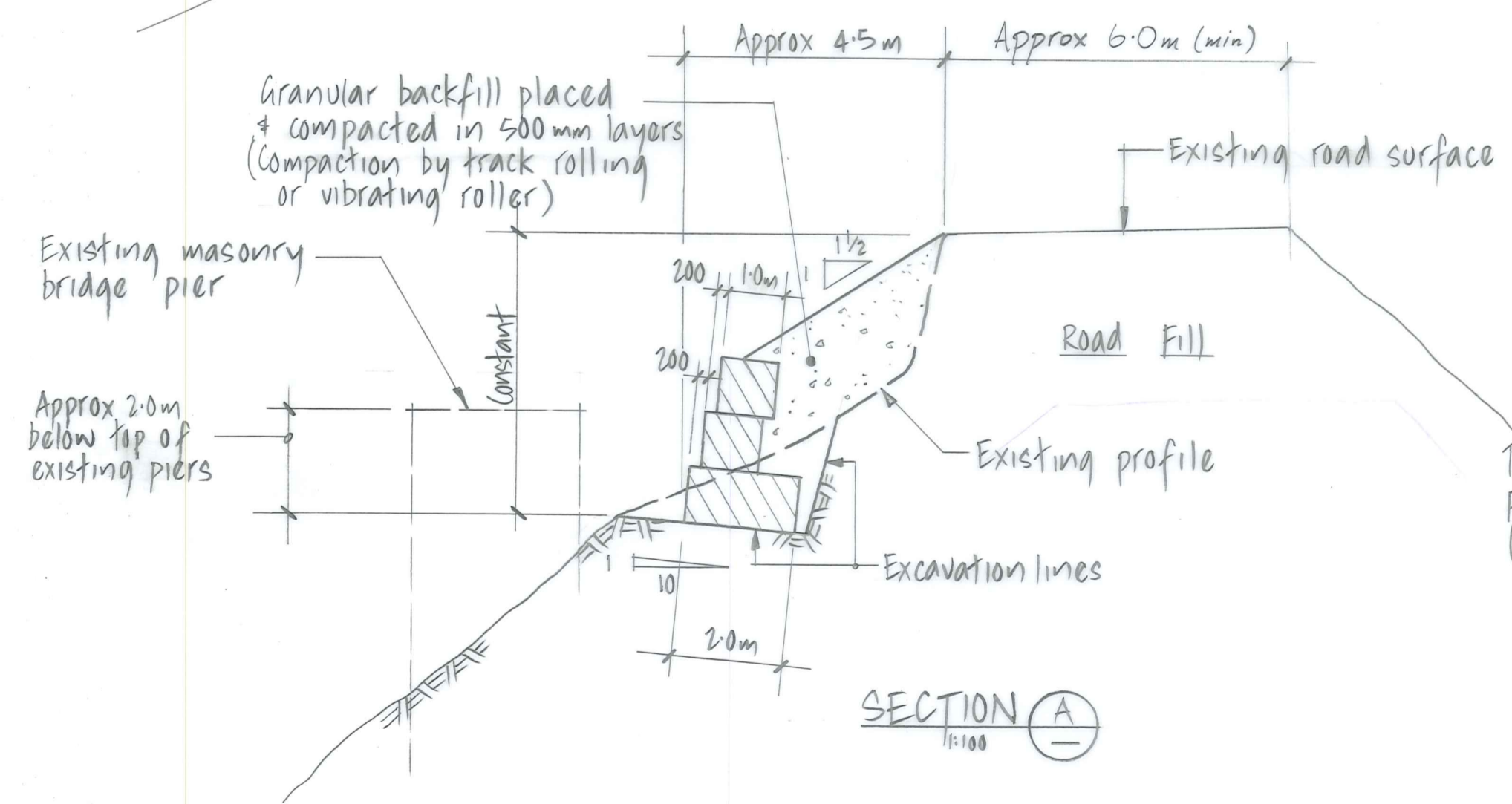
PLAN OF PROPOSED REMEDIAL WORKS
Not to Scale



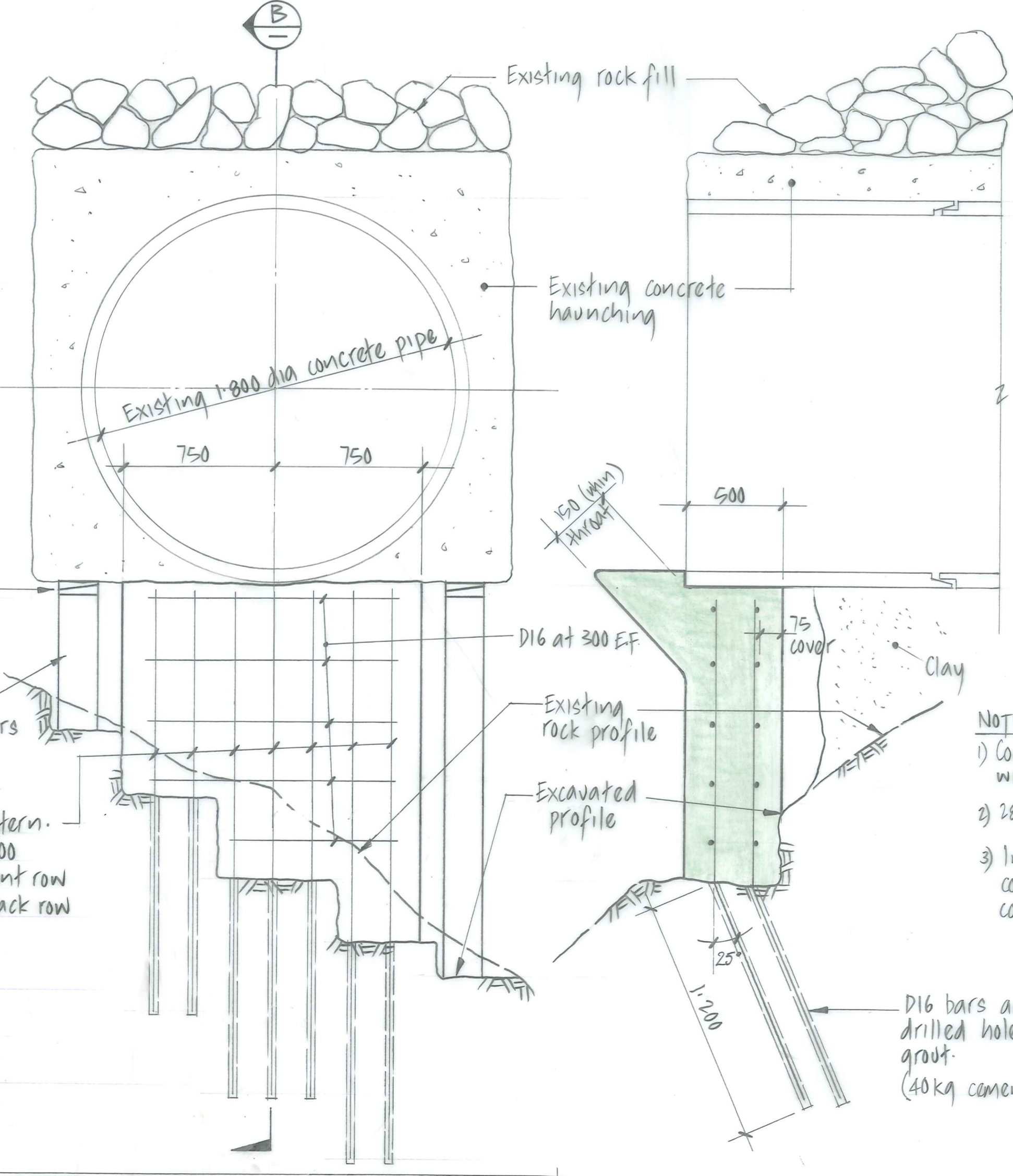
LONG-SECTION OF CULVERT
SHOWS AREAS TO BE REPAIRED



DETAIL OF REPAIR AT JOINTS
1:20



SECTION A
1:100



NEW SUPPORT DETAIL - CULVERT OUTLET
1:20

SECTION B
1:20

- NOTES:
- 1) Concrete work to be in accordance with NZS 3109
 - 2) 28 day concrete strength: $f_c' = 20 \text{ MPa}$
 - 3) Install hardwood props at outer corners prior to any other construction.

- Gabion Details:
- 1) Gabions to be of standard welded mesh construction supplied by Hurricane Wire Products, Christchurch
 - 2) All gabions to be 1.0m x 1.0m x 2.0m long
Total number to be ordered & installed = 24
 - 3) Wire size: 4.0mm dia
 - 4) Finish: Hot dipped galvanised.
 - 5) Gabions to be filled with durable rock fill varying in size from 100mm to 200mm.

| | | | | |
|----------|---------------|-------------------------------|------------|-----|
| A | | Roadway width dimension added | 5/12/89 | JTB |
| No. | Revisions | Date | Apprd | |
| Designed | W.L. BEEKHOUS | Date | Print Date | |
| Drawn | J. KNOX | | | |
| Checked | W. BEEKHOUS | 5/5/89 | | |
| Approved | [Signature] | | | |
| File | 6/9/37 | L.B. | | |

DUFFILL WATTS & KING LTD
Consulting Civil & Structural Engineers
Dunedin Invercargill Alexandra Queenstown

Client
MANIOTOTO COUNTY COUNCIL

Project
REPAIRS TO CULVERT N°106 (DANSEY PASS)

Sheet Title
GENERAL ARRANGEMENT & DETAILS

| | | |
|---------|-----------|-------------|
| Job No. | Sheet No. | Revision |
| 12356 | 1 | A |
| | | of 5 sheets |

ORIGINAL SIZE mm
0 10 30 50 100 150 200 300